

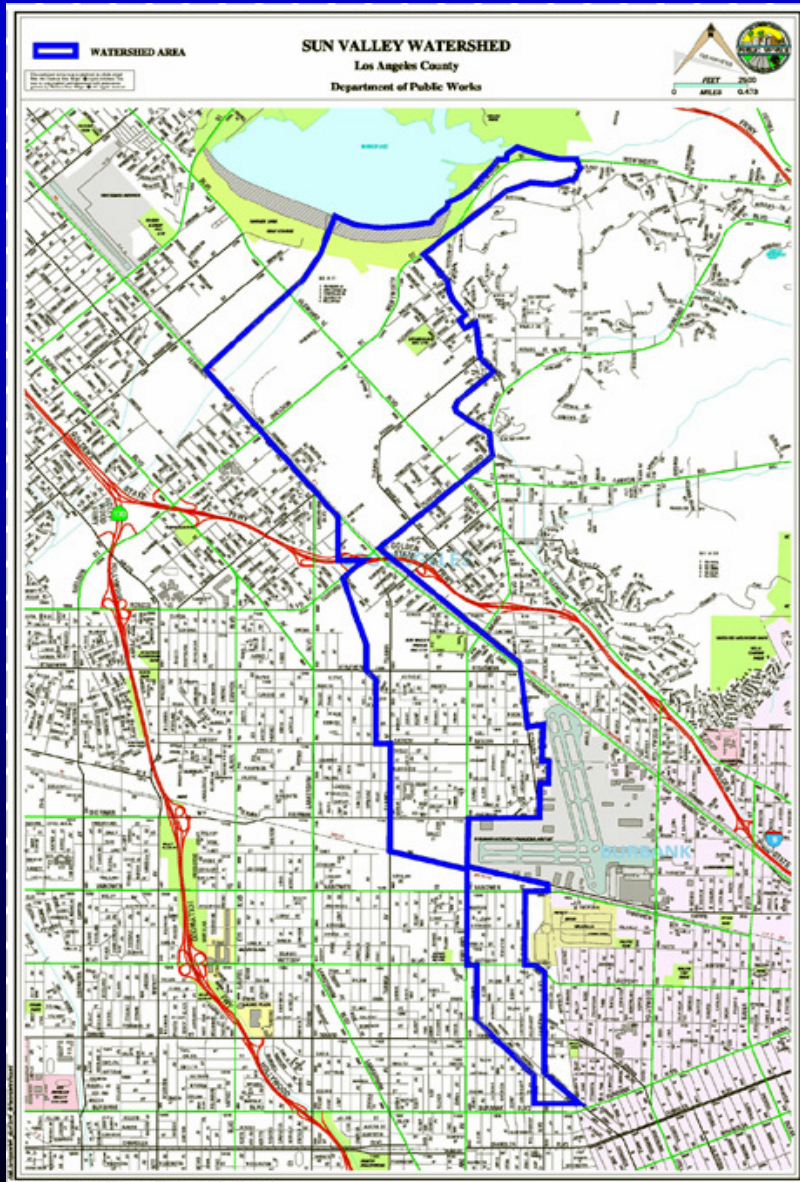
SUN VALLEY

Innovative Watershed Management Strategy Multi-Benefit Approach

May 5, 2008



Sun Valley Watershed Background



- Tributary to the Los Angeles River
- 4.4 square mile watershed
- Highly Urbanized with little recreation or open space

Sun Valley Watershed



Sun Valley - Urbanized



Extreme Flooding Problems

Jan. 2005



Sun Valley Watershed Stakeholders Group

Mission Statement

Multiple Objective Solutions

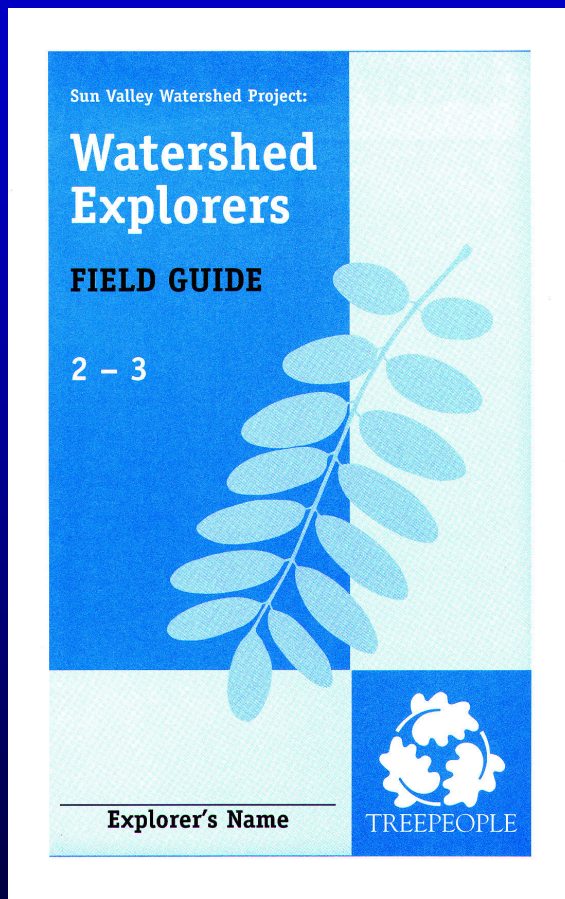
The mission of the Sun Valley Watershed Stakeholders Group is to ***solve the local flooding problem*** while retaining all stormwater runoff from the watershed, increasing ***water conservation, recreational opportunities, and wildlife habitat, and reducing stormwater pollution.***



Strong Stakeholder Group Collaboration



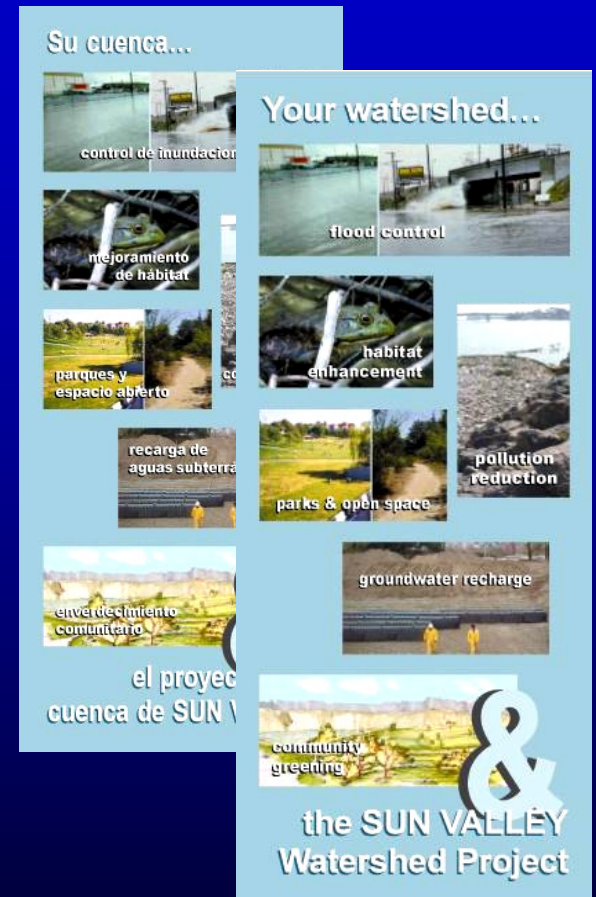
Community Outreach and Education



In-School
Education



Newsletters



Educational
Brochures

Watershed Management Plan & Program EIR



County of
Los Angeles
Department of Public Works

Final **Sun Valley Watershed Management Plan**

May 2004



County of
Los Angeles
Department of Public Works

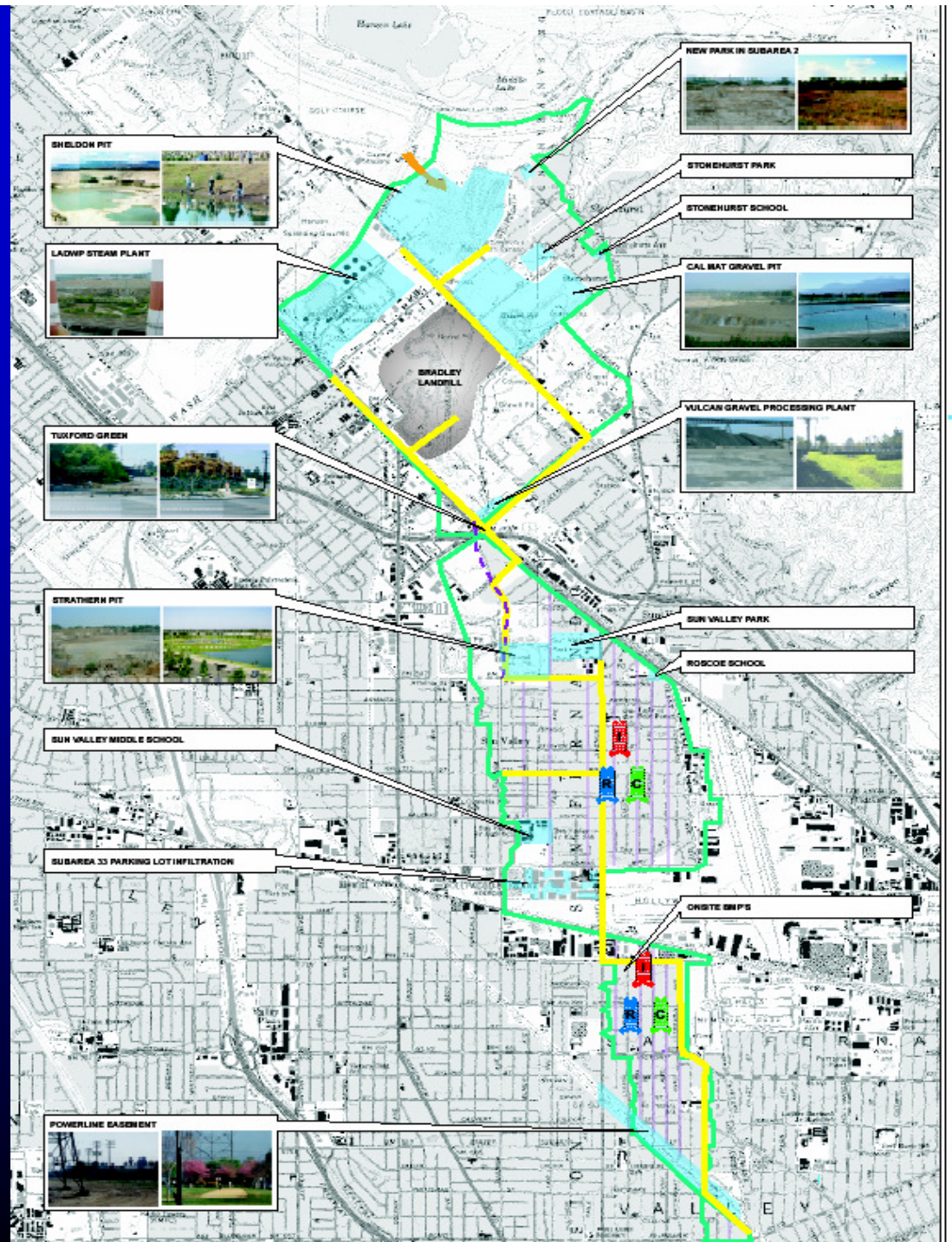
Final **Program Environmental Impact Report** Sun Valley Watershed Management Plan SCH No. 2002111051

May 2004



Sun Valley's Solution: Projects with Multiple Objectives

- Flood Protection
- Water Quality
- Water Conservation
- Habitat Restoration
- Recreational Opportunities

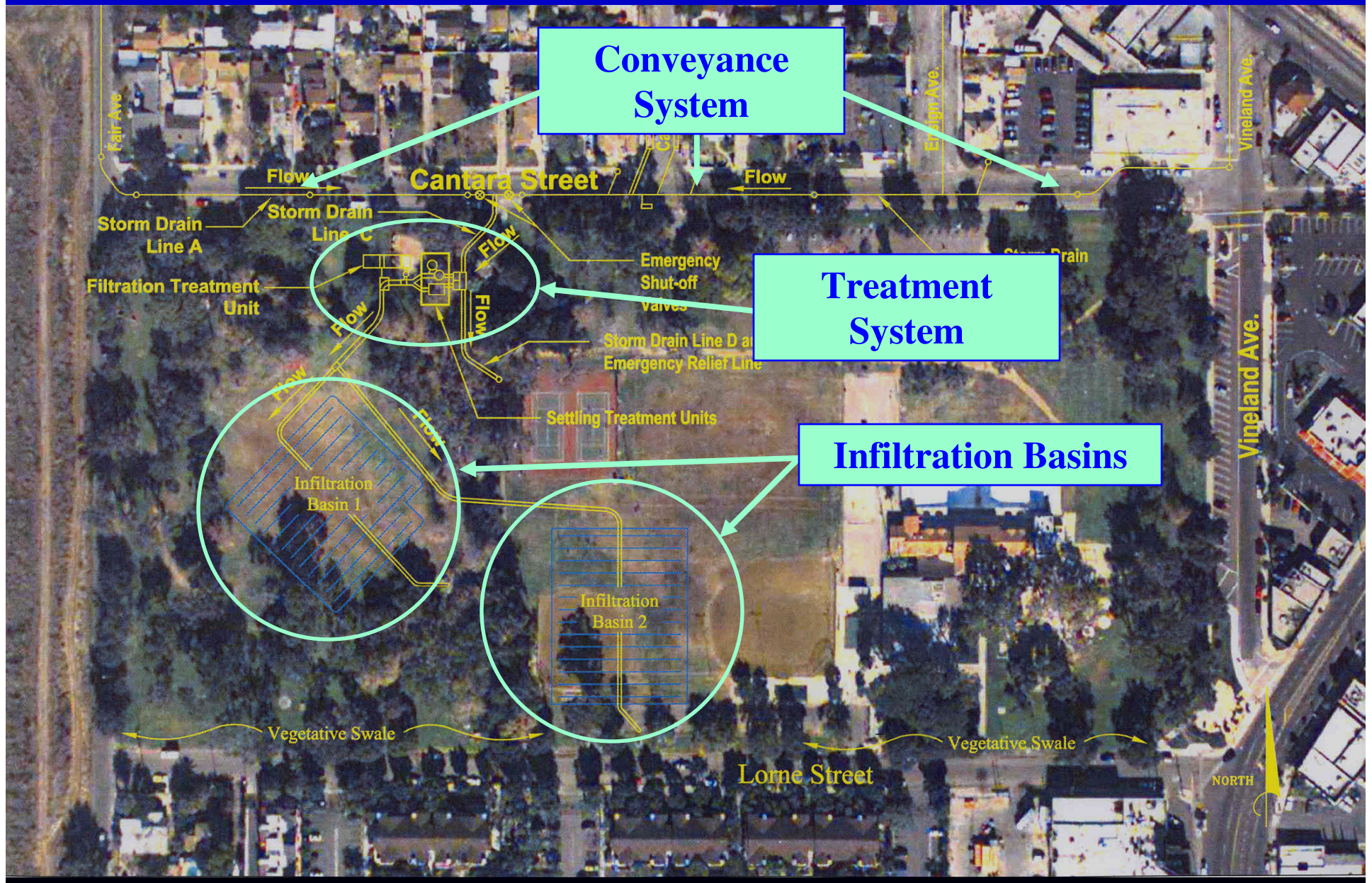


Additional Benefits

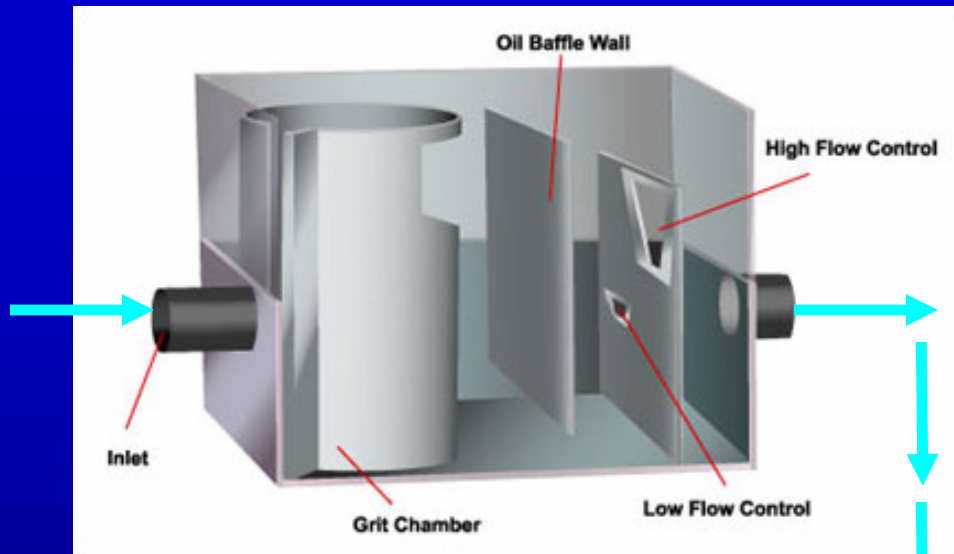
- Improved Water Quality for Receiving Waters
- Improved Air Quality
- Reduction on Reliance of Imported Water
- Educational Opportunities for the Community
- Increased Property Values
- Improved Quality of Life



Sun Valley Park Multiuse Project



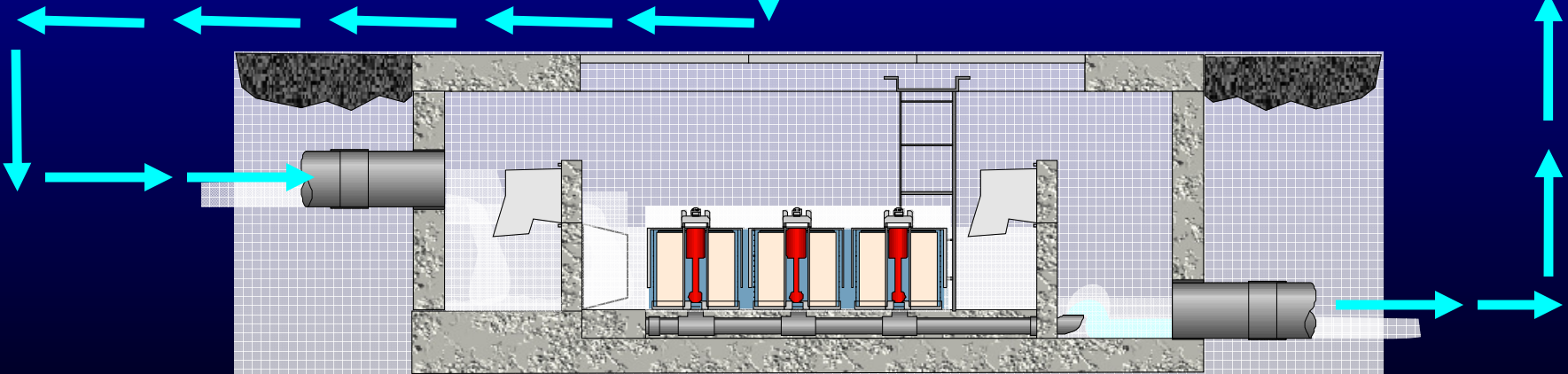
Water Treatment Technology



Hydrodynamic Separator



Infiltration Basins



Filtration (Metals Treatment)

Construction Photos – Treatment Units

Hydrodynamic Separators



- Downstream Defender
- Vortech

Metals Treatment Unit



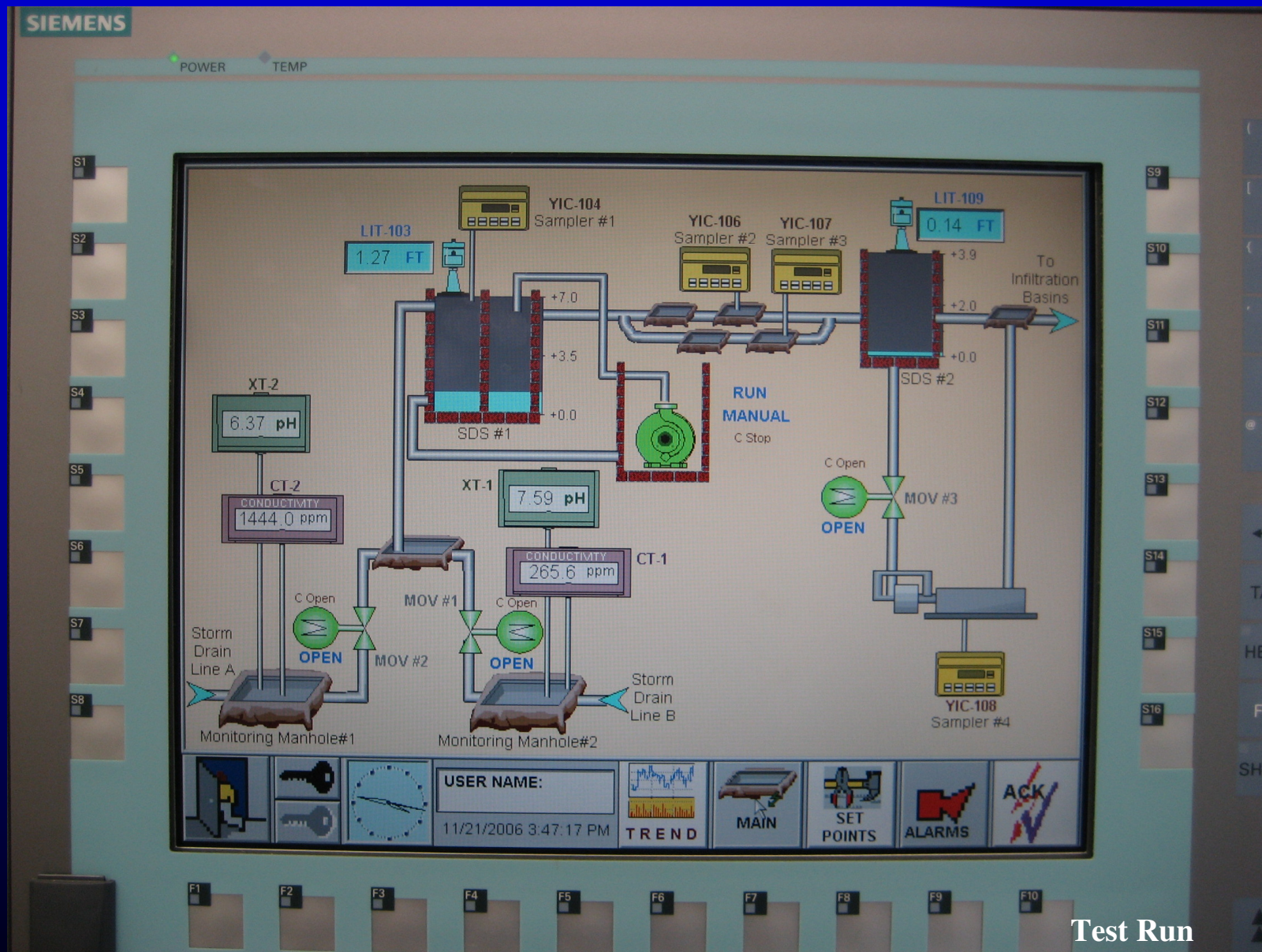
- Storm Filter by ConTech
 - Media Filter w/Perlite and Zeolite

Construction Photos – Infiltration Basins



- Pre-Fabricated Concrete Structures (Storm Trap)
- Entirely underground to avoid impact to Park

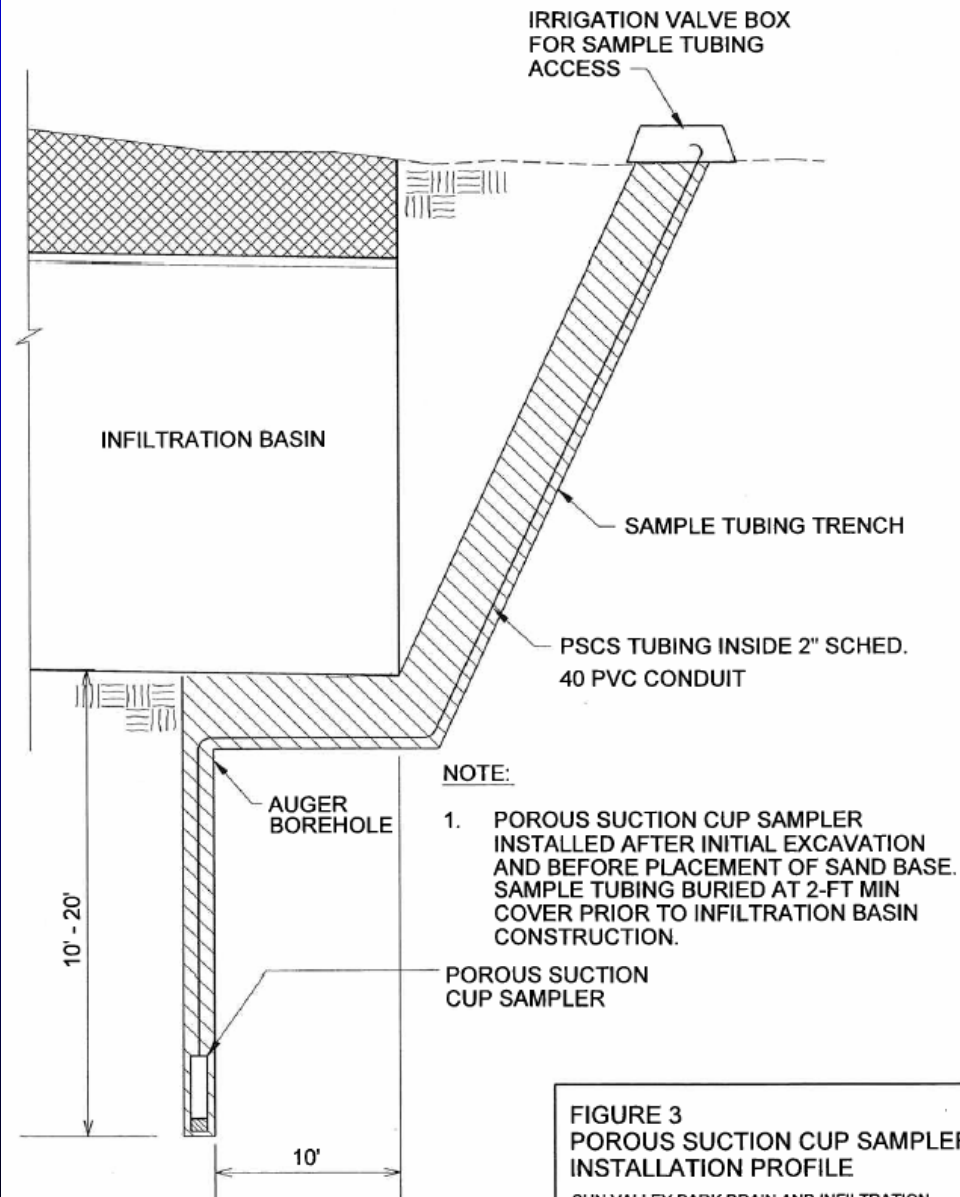
SCADA System



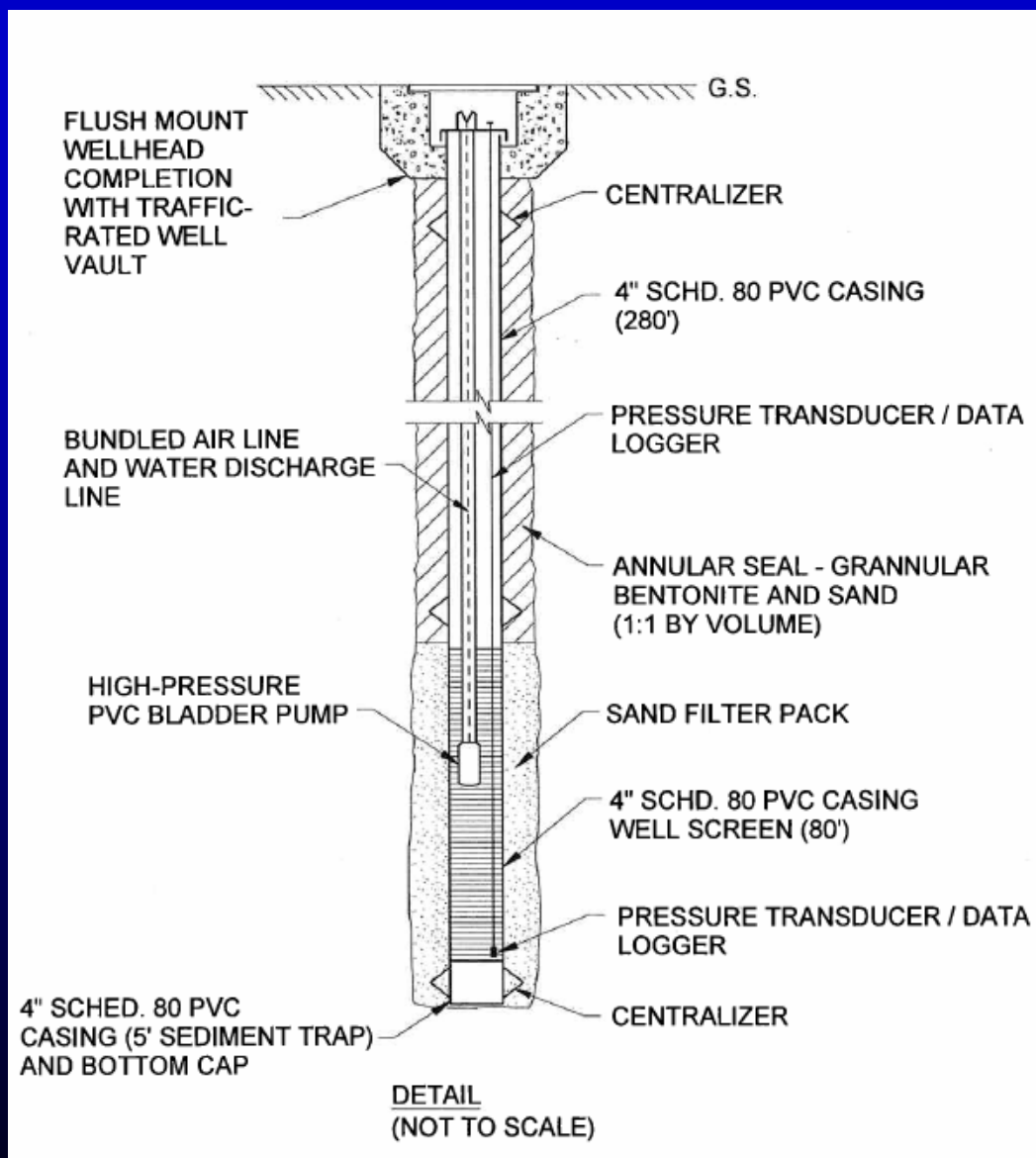
Water Quality Monitoring



Vadose Zone Monitoring



Groundwater Monitoring



Vegetative Swales



Pre-
Project



Post-
Construction

- **Designed to capture the nuisance water in the gutter. Effectively removing, treating, and infiltrating it.**

Educational Signage



Park Enhancements

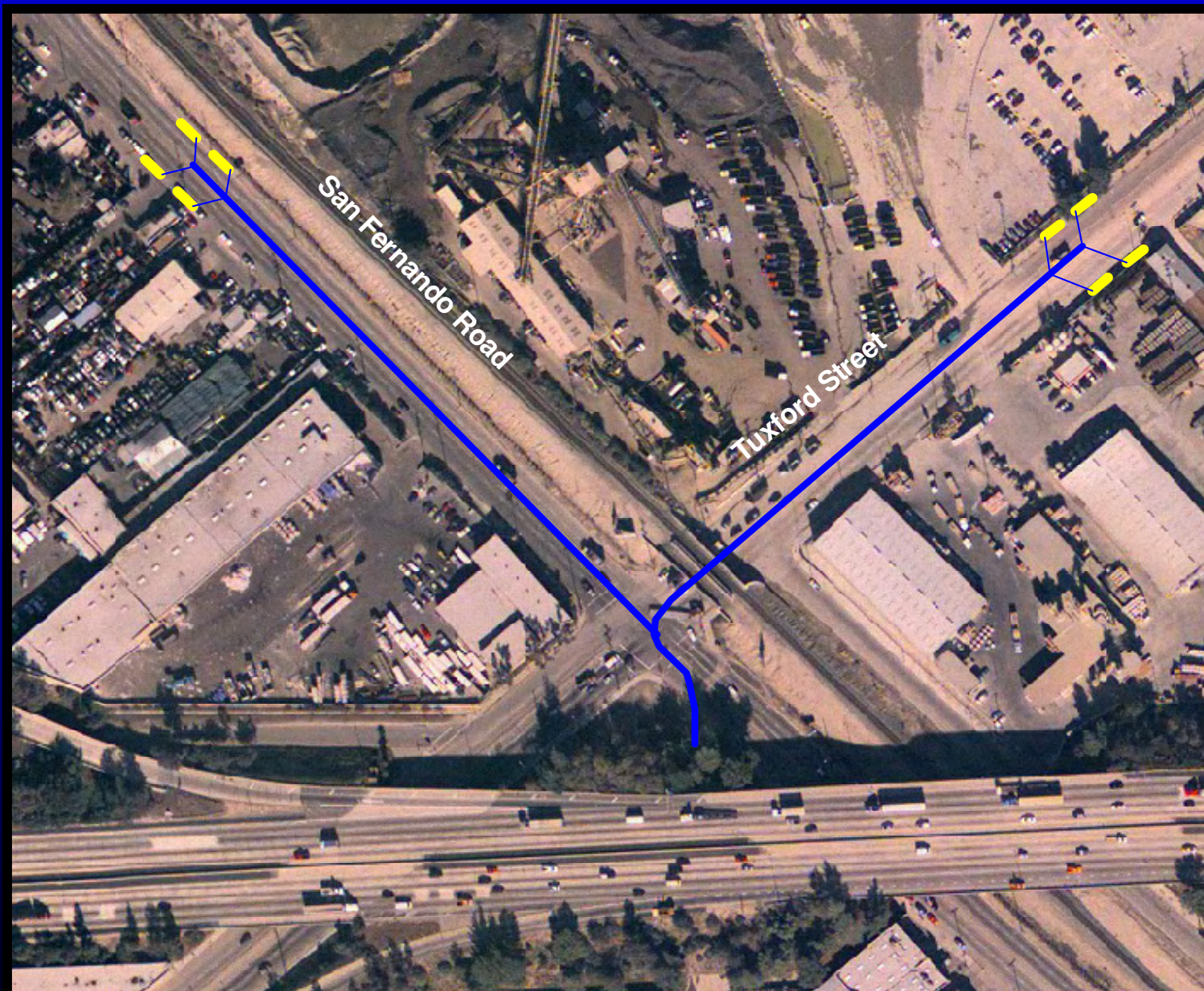


- Established a Soccer Field with Sports Lighting
- New Baseball Fields with new Bleachers

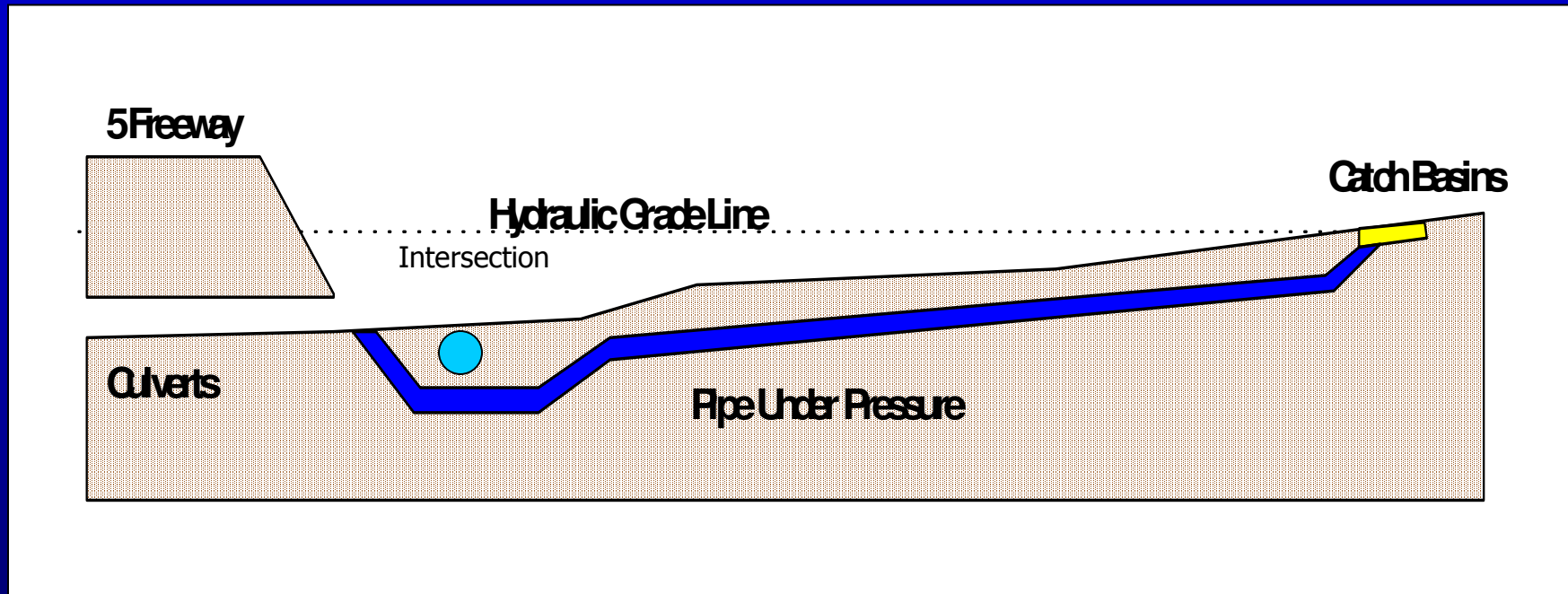
Tuxford Green Project



Tuxford Green Project



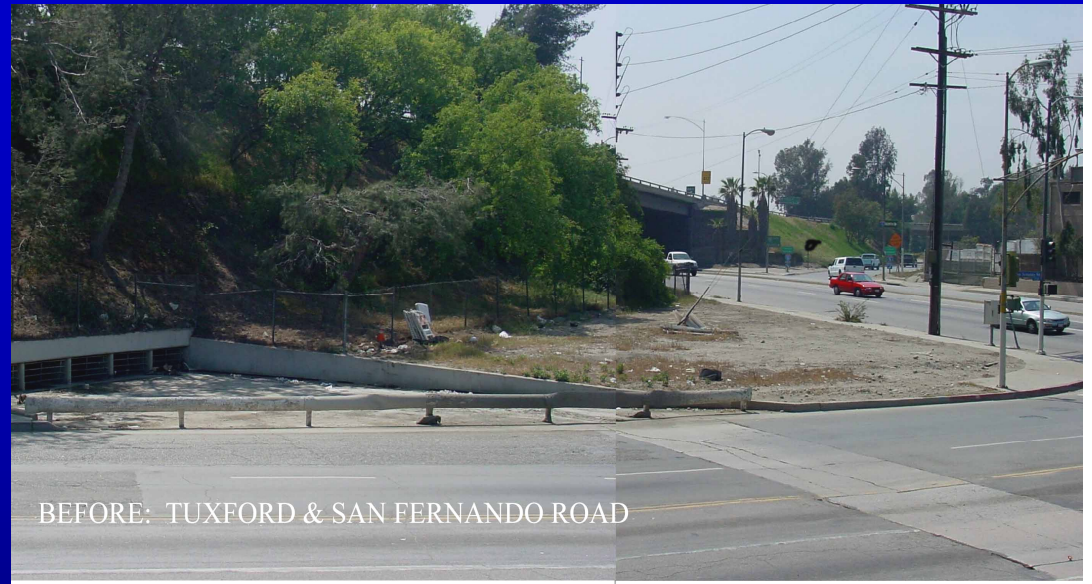
Tuxford Green Project



- Water flows into the catch basins at a high elevation, is “pushed” by pressure under intersection, and out into the culverts.

Tuxford Green Project

- Flood Protection
- Improved Driving Conditions
- Improved Water Quality
 - Hydrodynamic Separator
- Water Reuse
 - 45,000 gallon cistern for irrigation purposes
- Native Landscaping
- Aesthetic Enhancements
- Educational Signage



Potential Project Strathern Pit Wetlands Park

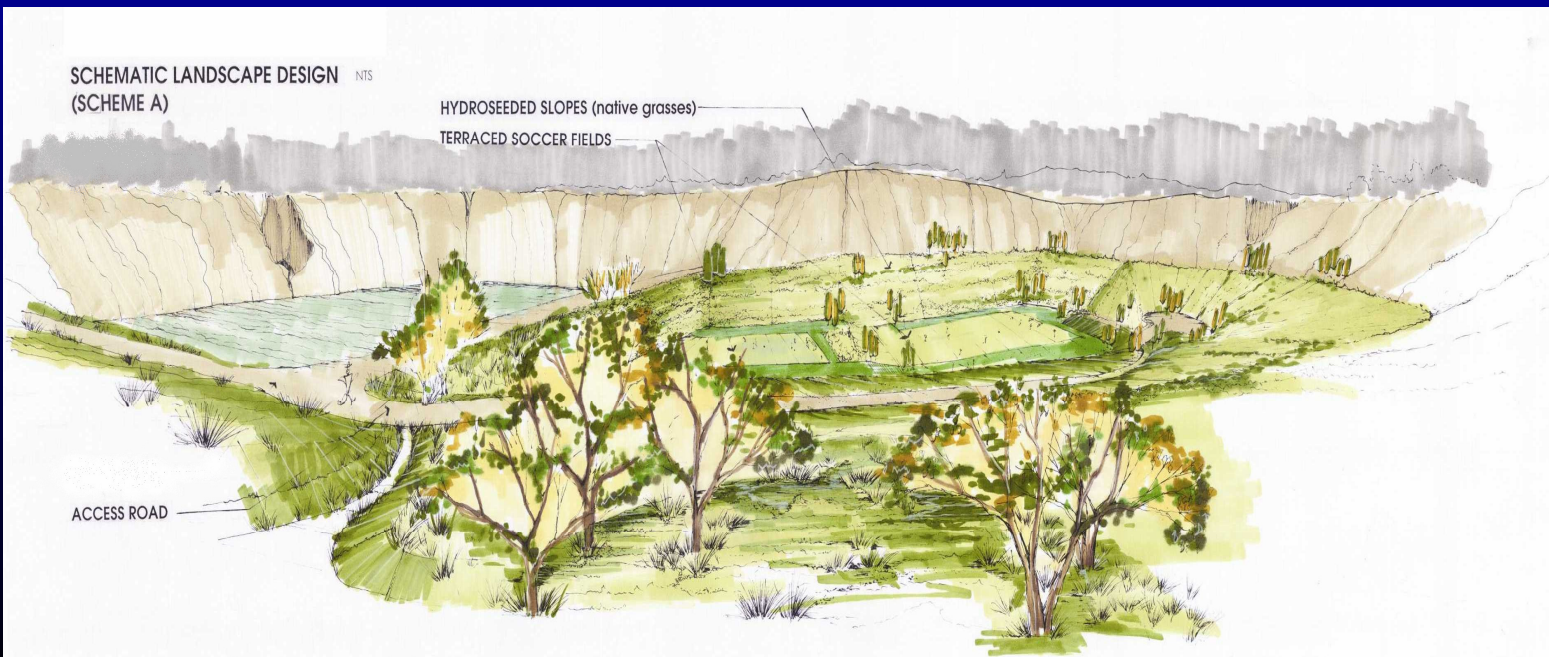


Aerial-Existing Conditions



Conceptual Rendering

Strathern Pit Wetlands Park



Strathern Pit Wetlands Benefits

- **Flood Protection**
- **Improved Water Quality**
 - 10 Acres of Treatment Wetlands
- **Water Conservation**
 - Avg. conserved = 900 acre-ft
- **46 Acres of Open Space**
- **Recreational Benefits**
 - Including Trails & Soccer Fields
- **Habitat Restoration**
- **Aesthetic Enhancements**
- **Educational Signage**
- **Air Quality Improvement**



www.sunvalleywatershed.org



LOS ANGELES COUNTY PUBLIC WORKS

WATERSHED MANAGEMENT

< previous

Sun Valley Watershed

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[Timeline/Decisions](#) | [Resources](#) | [Project Funding](#) | [Newsletters](#) | [Plan & EIR Docs](#) | [FAQs](#)

Welcome to SunValleywatershed.org!

The mission of the Sun Valley Watershed Stakeholders Group is to solve the local flooding problem while retaining all stormwater runoff from the watershed, increasing water conservation, recreational opportunities, and wildlife habitat, and reducing stormwater pollution.

There's something exciting going on in Sun Valley! A serious effort to solve the area's chronic flooding problem is underway, but that's not the half of it. Planners envision a solution that will bring many other benefits to the community as well. The implementation here of what's known as a "watershed approach" to urban environmental problems could focus regional and national attention on Sun Valley. On this website, we'll provide both an introduction to the Sun Valley



Flooding is a serious problem in Sun Valley; the San Fernando/Tuxford intersection is one of the perennial trouble spots.



SPRINGING LANDSCAPE DESIGN